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| **Data Dictionary** | | | | | | | | | |
|
| **Entity** | **Attribute** | **Datatype** | **Regex** | **Size** | **Example** | **Key** | **Nullability** | **Default** | **Description** |
| Concert | concertID | INT | \d+ | 1 or more | 1138 | Primary | NOT NULL | - | Auto-incrementing unique identifier for a concert |
| Concert | playlistID | INT | \d+ | 1 or more | 777 | Foreign | NULL | - | Initially optional identifier for a concert's setlist |
| Concert | location | VARCHAR | \w+ | 1-100 | Royal Albert Hall, London, England | - | NULL | - | Optional address or site of where the concert was played |
| Concert | date | DATE | \d{4}-(0[1-9]|1[0-2])-(0[1-9]|[12]\d|3[01]) | 10 | 2019-07-22 | - | NULL | - | Optional day of when the concert was played of format 'YYYY-MM-DD' |
| Playlist | playlistID | INT | \d+ | 1 or more | 777 | Primary | NOT NULL | - | Auto-incrementing unique identifier for a playlist/setlist |
| Playlist | playlistTitle | VARCHAR | \w+ | 1-100 | Coldplay Live in London 2019 | - | NOT NULL | - | Custom title of the playlist/setlist |
| Band | bandID | INT | \d+ | 1 or more | 2187 | Primary | NOT NULL | - | Auto-incrementing unique identifier for a band/solo artist |
| Band | bandName | VARCHAR | \w+ | 1-100 | Coldplay | - | NOT NULL | - | Name of the band/solo artist |
| Artist | artistID | INT | \d+ | 1 or more | 2199 | Primary | NOT NULL | - | Auto-incrementing unique identifier for an artist/a band member |
| Artist | fName | VARCHAR | \w+ | 1-100 | Chris | - | NOT NULL | - | First name of the artist/band member |
| Artist | lName | VARCHAR | \w+ | 1-100 | Martin | - | NULL | - | Optional surname of the artist/band member |
| Album | albumID | INT | \d+ | 1 or more | 523 | Primary | NOT NULL | - | Auto-incrementing unique identifier for an album |
| Album | albumTitle | VARCHAR | \w+ | 1-100 | Ghost Stories Live 2014 | - | NOT NULL | - | Title of the album |
| Album | liveRecording | BOOL | (TRUE|FALSE)|[01] | 1 or 4-5 | TRUE or 1 | - | NULL | FALSE or 0 | Optional indication of whether the album was recorded live or in studio |
| Label | labelID | INT | \d+ | 1 or more | 42 | Primary | NOT NULL | - | Auto-incrementing unique identifier for a record label |
| Label | labelName | VARCHAR | \w+ | 1-100 | Parlophone | - | NOT NULL | - | Name of a record label |
| Song | songID | INT | \d+ | 1 or more | 98721 | Primary | NOT NULL | - | Auto-incrementing unique identifier for a song |
| Song | songTitle | VARCHAR | \w+ | 1-100 | Always in My Head | - | NOT NULL | - | Title of the song |
| Song | duration | TIME | ([01]\d|2[0-3])(:([0-5]\d)){2} | 8 | 00:03:36 | - | NULL | - | Optional indication of the time length of the song |
| Song | lyrics | VARCHAR | \w+ | 1-5,000 | I think of you… | - | NULL | - | Optional listing of the lyrics to the song |
| BandArtist | bandArtistID | INT | \d+ | 1 or more | 339 | Primary | NOT NULL | - | Auto-incrementing unique identifier between a band and artist |
| BandArtist | bandID | INT | \d+ | 1 or more | 2187 | Foreign | NOT NULL | - | Identifier for a band/solo artist |
| BandArtist | artistID | INT | \d+ | 1 or more | 2199 | Foreign | NOT NULL | - | Identifier for an artist/a band member |
| BandAlbum | bandAlbumID | INT | \d+ | 1 or more | 12 | Primary | NOT NULL | - | Auto-incrementing unique identifier between a band and an album |
| BandAlbum | bandID | INT | \d+ | 1 or more | 2187 | Foreign | NOT NULL | - | Identifier for a band/solo artist |
| BandAlbum | albumID | INT | \d+ | 1 or more | 523 | Foreign | NOT NULL | - | Identifier for an album |
| BandSong | bandSongID | INT | \d+ | 1 or more | 25 | Primary | NOT NULL | - | Auto-incrementing unique identifier between a band and song |
| BandSong | bandID | INT | \d+ | 1 or more | 2187 | Foreign | NOT NULL | - | Identifier for a band/solo artist |
| BandSong | songID | INT | \d+ | 1 or more | 98721 | Foreign | NOT NULL | - | Identifier for a song |
| AlbumSong | albumSongID | INT | \d+ | 1 or more | 56 | Primary | NOT NULL | - | Auto-incrementing unique identifier between an album and a song |
| AlbumSong | albumID | INT | \d+ | 1 or more | 523 | Foreign | NOT NULL | - | Identifier for an album |
| AlbumSong | songID | INT | \d+ | 1 or more | 98721 | Foreign | NOT NULL | - | Identifier for a song |
| PlaylistSong | playlistSongID | INT | \d+ | 1 or more | 101 | Primary | NOT NULL | - | Auto-incrementing unique identifier between a playlist and song |
| PlaylistSong | playlistID | INT | \d+ | 1 or more | 777 | Foreign | NOT NULL | - | Identifier for a playlist |
| PlaylistSong | songID | INT | \d+ | 1 or more | 98721 | Foreign | NOT NULL | - | Identifier for a song |
| AlbumLabel | albumLabelID | INT | \d+ | 1 or more | 243 | Primary | NOT NULL | - | Auto-incrementing unique identifier between an album and a label |
| AlbumLabel | albumID | INT | \d+ | 1 or more | 523 | Foreign | NOT NULL | - | Identifier for an album |
| AlbumLabel | labelID | INT | \d+ | 1 or more | 42 | Foreign | NOT NULL | - | Identifier for a record label |